



# Halloween Skeleton

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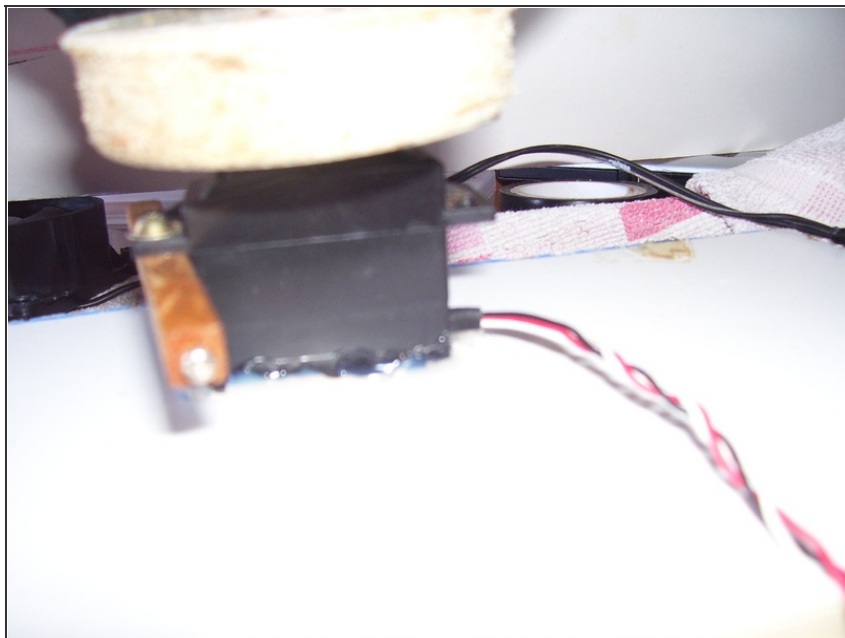
## PARTS:

- [Arduino Duemilanove \(1\)](#)
- [Servo \(generic\) \(1\)](#)
- [Breadboard kit \(1\)](#)
- [Halloween mask \(1\)](#)
- [LEDs \(1\)](#)

## SUMMARY

In this guide we use a Halloween skeleton mask, an Arduino Duemilanove, a servo and some LEDs to create the ultimate skeleton Halloween decoration.

## Step 1 — Halloween Skeleton



- Attach your servo to your mask. You may need to add wood or something for support.

## Step 2

- Optional : Add LEDs in the eyes.
- If you add LEDs the positive/red goes to the Arduino's pin 13 and the negative/black/ground goes to the ground pin.

## Step 3

- Now let's wire up the servo to our Arduino.
- The Black wire goes to a ground pin.
- The Red Goes To 5v Power
- The Yellow/White/Orange goes to digital pin 9.

## Step 4

```
#include <Servo.h>

Servo myservo; // create servo object to control a servo

void setup()
{
  myservo.attach(9); // attaches the servo on pin 9 to the servo object
}

void loop()
{
  myservo.write(90); //Degree 1 to 180
  delay(1000); //Time in m.seconds
  myservo.write(180); //Degree 1 to 180
  delay(1000); //Time in m.seconds
  myservo.write(90); //Degree 1 to 180
  delay(1000); //Time in m.seconds
}
```

- Now plug your Arduino in and type this code:
- // THIS IS FOR NO LEDs.  
#include <Servo.h> Servo myservo; // create servo object to control void setup() { myservo.attach(9); // attaches servo to pin 9 } void loop() { myservo.write(90); //Degree 1 to 180 delay(1000); //Time in milliseconds myservo.write(180); //Degree 1 to 180 delay(1000); //Time in milliseconds myservo.write(90); //Degree 1 to 180 delay(1000); //Time in milliseconds }

## Step 5

- You're finished!
- To add LEDs just add the code from the Arduino example called "blink."

Now you have a skeleton decoration.

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